XING F WANG

PAGE 03

Appl. No. 10/810,296 Dated 1/2/2008 Reply to Office Communication of 12/27/ 2007

page 2 of this paper consisting of a total of 17 sheets.

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Remarks begin on page 17 of this paper.

The proposed amendments to the claims 1-2 will replace all prior versions of the claims 1-2 in said application.

The proposed amendments to the claim 1 to be sent to Primary examiner Dr. Lori A. Clown by the fax of December 12, 2007 comprising:

Claim 1 (currently amended): A multiparameter method of screening for the diagnosis, the prevention or the treatment evaluating disease risk, disease cause, therapeutic target, and therapeutic efficiency of atherosclerosis-related coronary heart disease (CHD) or stroke comprising;

defining the disease as atherosclerosis-related CHD or stroke or other cardiovaccular disease;

defining the normal as free from said disease;

defining the following parameters as atherosclerotic parameters consisting of c =

Page 2 of 17

PAGE 3/11 \* ROVO AT 1/2/2008 11:44:47 AM [Eastern Standard Time] \* SVR:USPTO-EFXRF-4/2 \* DMIS:2738300 \* CSID:5088310592 \* DURATION (mm-ss):40-44

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XING F WANG

PAGE 80

Appl. No. 10/810,296 Dated 1/2/2008 Reply to Office Communication of 12/27/ 2007

the Low-density lipoprotein (LDL) concentration parameter in mg/dL or c = the C-reactive protein (CRP) concentration parameter in mg/L, p = the blood systolic pressure parameter in mmHg or p = the blood diastolic pressure parameter in mmHg, f = the heart rate parameter in  $s^{-1}$ , a = the radius parameter along arterial radius in cm, T = the temperature parameter of blood plasma in °C,  $\alpha$  = the angle parameter between gravity and the mean velocity of blood fluid in arterial vessels in degree and z = the axial position parameter of diffusion flux along the inner wall in the axial direction of arterial vessels in cm, called the diffusion length parameter;

measuring, for an individual howing the measured

values of values of disease, said atherosclerotic

parameters of the following expressions: for an individual cosins

$$J = A c^{\frac{11}{9}} (v^3 D^{16})^{\frac{1}{27}} \left( \frac{g \cos \alpha + f u}{z} \right)^{\frac{2}{9}}$$
 (1.1)

or

$$J = B c^{\frac{11}{9}} p^{\frac{1}{3}} T^{\frac{16}{27}} a^{\frac{2}{3}} f^{\frac{3}{2}} a^{\frac{2}{9}}$$
 (1.2)

and

$$J = E e^{\frac{11}{9} D^{\frac{16}{27}} z^{-\frac{2}{9}} (\cos \alpha)^{\frac{1}{9}}$$
 (1.3)

wherein J =the mass transfer flux in  $10^{-5}$ 

Page 3 of 17

PAGE 4/11 \* RCVD AT 1/2/2808 11:44:47 AM [Eastern Standard Time] \* SVR:USPTO-EFXRF-4/2 \* DMS:2/38300 \* CSID:5088310592 \* DURATION (mm-ss):03-14

XING F WANG

PAGE 05

Appl. No. 10/810,296 Dated 1/2/2008 Reply to Office Communication of 12/27/2007

 $g/(cm^2s)$ , A, B and E = the constants of conversion factors, v = the eddy velocity of blood fluid in arterial vessels in cm/s, u = the mean velocity of the blood fluid in cm/s, D = the diffusion coefficient in cm<sup>2</sup>/s, and g = the gravitational acceleration in cm/s<sup>2</sup>;

the measuring, for an individual not having the oldisesse, the normal values of said not the atherosclerotic parameters;

determining the disease risks yielded by the difference between said measured values and said normal values of said atherosclerotic parameters;

adding all said disease risks together yields containing a total risk of said disease;

determining a disease risk level containing said total risk of said disease;

selecting an atherosclerotic risk factor related to an atherosclerotic parameter that is the greatest contribution to said total risk of said disease so as to result in said risk

Page 4 of 17

PAGE 5/11 \* RCVD AT 1/2/2003 11:44:47 AM (Eastern Standard Time) \* SVR:USPTO-EFXRF-4/2 \* DHIS:2738300 \* CSID:5988310592 \* DURATION (mm-ss):03-14

XING F WANG

PAGE 05

Appl. No. 10/810,296 Dated 1/2/2008 Reply to Office Communication of 12/27/2007

factor as a primary therapy target of said disease;

selecting a greater flux between the LDL mass transfer flux and the monocyte mass transfer flux so as to result in said greater flux as a primary cause in said disease;

selecting a greater concentration level between the LDL level in serum and the CRP level in blood plasma so at to result in said greater level as a secondary therapy target of said disease;

determining a relative ratio between currently said total risk and previously said total risk so as to yield said relative ratio as a therapeutic efficacy of said disease;

repeating above-mentioned said methods until said disease risk level is reduced to a normal level for said individual who requires the therapy to prevent or to treat atherosclerosis-related CHD or stroke;

above-mentioned said methods are written as an executable computer program named the MMA.exe,

Page 5 of 17

PAGE S/11 \* RCVD AT 1/2/2008 11;44;47 AM (Eastern Standard Time) \* SVR:USPTO-EFXRF-4/2 \* DMS:2738309 \* CSID:5088310592 \* OURATION (mm-ss):03-14

XING F WANG

PAGE 97

Appl. No. 10/810,296 Dated 1/2/2008 Reply to Office Communication of 12/27/ 2007

or another name, to be installed into a general purpose digital computer device to accomplish said methods; and

to output outputting a result of said methods
said total disease risk, disease cause,
therapoutic target and therapeutic efficiency
to a display or a memory or another computer on
a network, or to a user or a display.

The proposed amendments to the claim 2 to be sent to Examiner Mr. Jason M. Sims by the fax of December 10, 2007 comprising:

Claim 2 (Currently amended): A method as in claim

1, wherein the nine disease risks are yielded by the
differences between the measured values and the
normal values of the nine atherosclerotic parameters, wherein:
said method comprising the steps of:

solutions a measured value,  $c_m$  in mg/dL, of the individual's LDL concentration in human serum which is determined using a medical technique for measuring the concentration of blood constituents or said  $c_m$  is determined by the physician, into eq. 1.1 yields  $J_m = Hc_m$ , where  $M_2 \cdot A \cdot C_{\nu}^{-2} O^{1/2} \left( \frac{2 \cdot (n + 1) \cdot (n + 1)}{2} \right)^{2/3}$ 

Page 6 of 17

PAGE 7/11\* RCVD AT 1/2/2808 11:44:47 AM [Eastern Standard Time] \* SVR:USPTO-EFXRF-4/2 \* DNIS:27/38300 \* CSID:5088310592 \* DURATION (mm-ss):03-14

XING F WANG

PAGE 08

Appl. No. 10/810,296 Dated 1/2/2008 Reply to Office Communication of 12/27/ 2007

solithwise a normal value,  $c_n$  in mg/dL, of said LDL concentration is determined by the physician or said  $c_n = 100$  mg/dL for adult, into i.i yield,  $T_n = Hc_n$ , "A

calculating (1) yields the disease risk R<sub>1</sub> caused by the LDL concentration parameter related to the atherosclerotic risk factors being an elevated LDL concentration in human serum, high-fat diet, hypercholesterolemia or other risk factors that increase said LDL concentration;

A measured value, Cm in mg/L, of the individual's CRP concentration in human blood plasma is determined using a medical technique for measuring the concentration of blood

Page 7 of 17

PAGE 8/11\* RCVD AT 1/2/2008 11:44:47 AM [Eastern Standard Time] \* SVR:USPTO-EFXRF-4/2 \* DNIS:2738300 \* CSID:5088310592 \* DURATION (num-ss):03-14

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PAGE 29/29 图 008

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XING F WANG

PAGE 09

Appl. No. 10/810,296 Dated 1/2/2008

Reply to Office Communication of 12/27/ 2007

physician, into 1.1 yields  $T_{m_2}$  =  $H_{Cm_2}$  th where  $H = A C \sqrt{30^{16}}$   $\frac{1}{12}$ 

substitutive normal value, Cn, in mg/L, of said CRP concentration and an equivalent factor, F, are determined by the physician wherein F= D

> D = the CRF diffusion coefficient and D. LDL\_diffusion coefficient or said cn = 1.0 mg/L for adult and said F = 0.66, into es. (1,1) yields Tnz = HCnz "15

calculating  $\frac{J_m - J_n}{2J_{n_2}}$ , where  $J_m$  yielded by

and  $J_{r_{\mu}}$  yielded by substituting said  $C_{n}$  into said equation (1.1), yields:

$$R_{2} = F\left(\frac{C_{0}}{C_{0}}\right)^{\frac{11}{2}} - 1) \qquad \frac{T_{n_{2}} - T_{n_{2}}}{T_{n_{2}}}$$
 (2)

expression  $\bigcirc$  where  $c_m \ge c_n$  and

calculating (2) yields the disease risk R2 caused by the CRP concentration parameter related to the atherosclerotic risk factors being an elevated CRP level in human blood

Page 8 of .17

PAGE 911 \* RCVD AT 1/2/2008 11:44:47 AM [Eastern Standard Time] \* SVR:USPTO-EFXRF-4/2 \* DAIS:2738300 \* CSID:5088310592 \* DARATION (mm-ss):03-14